

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Atty. Docket No. 7794

Serial No. 07722,101

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)

Applicant 08/29/200

Linsley and Ledbetter

Filing Date

June 27, 1991

Group

1800

U.S. PATENT DOCUMENTS

Examiner Initial		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA	AA	4	6	8	3	2	0	2	07/28/87	Mullis et al.	435	51	
BA	AB	4	6	8	3	1	9	5	07/28/87	Mullis et al.	435	6	
BA	AC	4	3	9	9	2	1	6	08/16/83	Axel			
	AD												
	AE												
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	AH												
	AI												
	AJ												
	AK												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL													
	AM													
	AN													
	AO													
	AP													

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BA	AR	Springer et al., "The Lymphocyte Function-Associated LFA-1, CD2, and LFA-3 Molecules: Cell Adhesion Receptors of the Immune System", <u>A. Rev. Immunol.</u> 5:223-252 (1987)
BA	AS	Dinareello and Mier, "Medical Intelligence - Current Concepts Lymphokines", <u>New Engl. Jour. Med.</u> 317:940-945 (1987)
BA	AT	Weiss et al., "The Role of the T3/Antigen Receptor Complex in T-Cell Activation", <u>Ann. Rev. Immunol.</u> 4:593-619 (1986)

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DATE CONSIDERED

Charles E. Adams, Ph.D.

11/17/92

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant <i>08/21/90</i>	
				Linsley and Ledbetter	
				Filing Date June 27, 1991 <i>6-44</i>	Group 1806
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>Q2A</i>	AU	McMichael, Ed., "Non-Lineage, LFA-1 Family, and Leucocyte Common Antigens" New and Previously Defined Clusters", <u>Leukocyte Typing III</u> , Oxford Univ. Press, Oxford, NY (1987) <i>265-288-803</i>			
<i>Q2A</i>	AV	Arufo and Seed, "Molecular Cloning of a CD28 cDNA by a High-Efficiency COS Cell Expression System", <u>Proc. Natl. Acad. Sci.</u> 84:8573-8577 (1987)			
<i>Q2A</i>	AW	Dadle et al., "Alloantigen-Specific Cytotoxic and Suppressor T Lymphocytes are Derived from Phenotypically Distinct Precursors", <u>J. Immunol.</u> 131:2296-2300 (1983)			
<i>Q2A</i>	AX	June et al., "T-Cell Proliferation Involving the CD28 Pathway is Associated with Cyclosporine-Resistant Interleukin 2 Gene Expression", <u>Mol. Cell. Biol.</u> 7:4472-4481 (1987)			
<i>Q2A</i>	AY	Thompson et al., "CD28 Activation Pathway Regulates the Production of Multiple T-Cell-Derived Lymphokines/Cytokines", <u>Proc. Natl. Acad. Sci.</u> 86:1333-1337 (1989)			
<i>Q2A</i>	AZ	Lindsten et al., "Regulation of Lymphokine Messenger RNA Stability by a Surface-Mediated T Cell Activation Pathway", <u>Science</u> 244:339-343 (1989)			
<i>Q2A</i>	BA	Dadle et al., "Monoclonal Antibody Analysis of Human T Lymphocyte Subpopulations Exhibiting Autologous Mixed Lymphocyte Reaction", <u>Proc. Natl. Acad. Sci.</u> 78:5096-5098 (1981)			
<i>Q2A</i>	BB	Lesslauer et al., "T90/44 (9.3 Antigen). A Cell Surface Molecule with a Function in Human T Cell Activation", <u>Eur. J. Immunol.</u> 16:1289-1296 (1986)			
<i>Q2A</i>	BC	Williams and Barclay, "The Immunoglobulin Superfamily - Domains for Cell Surface Recognition", <u>Ann. Rev. Immunol.</u> 6:381-405 (1988)			
<i>Q2A</i>	BD	Shaw and Shimizu, "Two Molecular Pathways of Human T Cell Adhesion: Establishment of Receptor-Ligand Relationship", <u>Current Opinion in Immunology</u> , Eds. Kindt and Long, 1:92-97 (1988)			
<i>Q2A</i>	BE	Moingeon et al., "CD2-Mediated Adhesion Facilitates T Lymphocyte Antigen Recognition Function", <u>Nature</u> 339:312-314 (1988)			
<i>Q2A</i>	BF	Makgoba et al., "ICAM-1 A Ligand for LFA-1-Dependent Adhesion of B, T and Myeloid Cells", <u>Nature</u> 331:86-88 (1988)			

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*Paul E. Adams, Ph.D.**11/17/92*

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				Serial No. 07/722,101	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		Applicant <u>CEL 29200</u>			
		Linsley and Ledbetter			
		Filing Date June 27, 1991	Group 1644 1806		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
Q2A	8A	Staunton et al., "Functional Cloning of ICAM-2, A Cell Adhesion Ligand for LFA-1 Homologous to ICAM-1", <u>Nature</u> 339:61-64 (1989)			
Q2A	8H	Norment et al., "Cell-Cell Adhesion Mediated by CD8 and MHC Class I Molecules", <u>Nature</u> 336:79-81 (1988)			
Q2A	8I	Doyle and Strominger, "Interaction Between CD4 and Class II MHC Molecules Mediates Cell Adhesion", <u>Nature</u> 330:256-259 (1987)			
Q2A	8J	Stoolman, "Adhesion Molecules Controlling Lymphocyte Migration", <u>Cell</u> 56:907-910 (1989)			
Q2A	8K	Hemler, "Adhesive Protein Receptors on Hematopoietic Cells", <u>Immunology Today</u> 9:109-113 (1988)			
Q2A	8L	Kishimoto et al., "The Leukocyte Integrins", <u>Adv. Immunol.</u> 46:149-182 (1989)			
Q2A	8M	Kakiuchi et al., "B Cells as Antigen-Presenting Cells: The Requirement for B Cell Activation", <u>J. Immunol.</u> 131:109-114 (1983)			
Q2A	8N	Kreiger et al., "Antigen Presentation by Splenic B Cells: Resting B Cells are Ineffective, Whereas Activated B Cells are Effective Accessory Cells for T Cell Responses", <u>J. Immunol.</u> 135:2937-2945 (1985)			
Q2A	8O	McKenzie, "Alloantigen Presentation by B Cells - Requirement for IL-1 and IL-6", <u>J. Immunol.</u> 2907-2911 (1988)			
Q2A	8P	Nawrolywicz and Unanue, "Regulation of Antigen-presentation-I - IFN- Induces Antigen-Presenting Properties on B Cells", <u>J. Immunol.</u> 141:4083-4088 (1988)			
Q2A	8Q	Noelle and Snow, "Cognate Interactions Between Helper T Cells and B Cells", <u>Immunol. Today</u> 11:361-368 (1990)			
	8R	Moller, ed., "T Cell-Dependent and Independent B Cell Activation", <u>Immunological Reviews</u> 1987, No. 99			

EXAMINER <u>Paul E. Adams, Ph.D.</u>	DATE CONSIDERED <u>11/17/92</u>
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LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)Applicant *OB/PLA/100*

Linsley and Ledbetter

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June 27, 1991

Group

1806

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Q9A</i>	AS	Poo et al., "Receptor-Directed Focusing of Lymphokine Release by Helper T Cells", <u>Nature</u> 332:378-380 (1988)
<i>Q9A</i>	BT	Bretscher and Cohn, "A Theory of Self-Nonself Discrimination", <u>Science</u> 169:1042-1049 (1970)
<i>Q9A</i>	BU	Janeway, "Approaching the Asymptote? Evolution and Revolution in Immunology", <u>Cold Spring Harbor Symp. Quant. Biol.</u> 54:1-14 (1989)
<i>Q9A</i>	BV	Weiss, "Structure and Function of the T Cell Antigen Receptor", <u>J. Clin. Invest.</u> 86:1015-1022 (1990)
<i>Q9A</i>	BW	Allen, "Antigen Processing at the Molecular Level", <u>Immunol. Today</u> 8:270-273 (1987)
<i>Q9A</i>	BX	Schwartz, "A Cell Culture Model for T Lymphocyte Clonal Anergy", <u>Science</u> 248:1349-1356 (1990)
<i>Q9A</i>	BY	Weaver and Unanue, "The Costimulatory Function of Antigen-Presenting Cells", <u>Immunol. Today</u> 11:49-55 (1990)
<i>Q9A</i>	BZ	Springer, "Adhesion Receptors of the Immune System", <u>Nature</u> 346:425-434 (1990)
<i>Q9A</i>	CA	Freeman et al., "B7, A New Member of the Ig Superfamily with Unique Expression on Activated and Neoplastic B Cells", <u>J. Immunol.</u> 143(8):2714-2722 (1989)
<i>Q9A</i>	CB	Freedman et al., "B7, A B Cell-Restricted Antigen That Identifies Preactivated B Cells" <u>J. Immunol.</u> 139:3260-3267 (1987)
<i>Q9A</i>	CC	Clark et al., "Polypeptides on Human B Lymphocytes Associated with Cell Activation", <u>Human Immunology</u> 16:100-113 (1986)
<i>Q9A</i>	CD	Yokochi et al., "B Lymphoblast Antigen (BB-1) Expressed on Epstein-Barr Virus-Activated B Cell Blasts, B Lymphoblastoid Cell Lines, and Burkitt's Lymphomas", <u>J. Immunol.</u> 128:823-827 (1981)

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*Ronald E. Adams, Ph.D.**11/16/92*

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LIST OF ART CITED BY APPLICANT
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Applicant 08/219100

Linsley and Ledbetter

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1644, 1806

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

QSA	CE	Capon et al., "Designing CD4 Immunoadhesins for AIDS Therapy" <u>Nature</u> 337:525-531 (1989)
QSA	CF	Damle, "Differential Regulatory Signals Delivered by Antibody Binding to the CD28 (Tp44) Molecule During the Activation of Human T Lymphocytes", <u>J. Immunol.</u> 140:1753-1761 (1988)
QSA	CG	Ledbetter et al., "CD28 Ligation in T-Cell Activation: Evidence for Two Signal Transduction Pathways" <u>Blood</u> 75(7):1531-1539 (1990)
QSA	CH	Rosenberg et al., "A New Approach to the Adoptive Immunotherapy of Cancer with Tumor-Infiltrating Lymphocytes", <u>Science</u> 223:1318-1321 (1986)
QSA	CI	Havell, "Evidence that Tumor Necrosis Factor has an Important Role in Antibacterial Resistance", <u>J. Immunol.</u> 143:2894-2399 (1990)
QSA	CJ	Koff and Fann, "Human Tumor Necrosis Factor-Alpha Kills Herpesvirus-Infected But not Normal Cells", <u>Lymphokine Res.</u> 5:215-221 (1986)
QSA	CK	Goldstein and Laszio: "The Role of Interferon Cancer Therapy - A Current Perspective", <u>CA: A Cancer Journal for Clinicians</u> , 38:258-277 (1988)
QSA	CL	Storb et al., "Marrow Transplantation for Severe Aplastic Anemia: Methotrexate Alone Compared with a Combination of Methotrexate and Cyclosporine for Prevention of Acute Graft-Versus-Host Disease," <u>Blood</u> , 68:119-125 (1986)
QSA	CM	Storb and Thomas, "Graft-versus-Host Disease in Dog and Man: The Seattle Experience", <u>Immunol. Rev.</u> 88:215-238 (1985)
QSA	CN	Brandt et al., "Effect of Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor on Hematopoietic Reconstitution After High-Dose Chemotherapy and Autologous Bone Marrow Transplantation", <u>N. Eng. J. Med.</u> 318:869-876 (1988)
QSA	CO	Groopman et al., "Effect of Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor on Myelopoiesis in the Acquired Immunodeficiency Syndrome", <u>N. Eng. J. Med.</u> 317:593-626 (1987)
QSA	CP	Vadan-Raj et al., "Effects of Recombinant Human Granulocyte-Macrophage Colony-Stimulating Factor in Patients with Myelodysplastic Syndromes", <u>N. Eng. J. Med.</u> 317:1545-1551 (1987)

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David E. Adams, Ph.D.

11/17/92

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LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				Applicant <i>08/24200</i> Linsley and Ledbetter	
				Filing Date June 27, 1991	
				Group <i>1806</i>	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
<i>Q2A</i>	CC	Mulligan and Berg, "Expression of a Bacterial Gene in Mammalian Cells", <u>Science</u> 209:1422-1427 (1988)			
<i>Q2A</i>	CR	Urlaub and Chasin, "Isolation of Chinese Hamster Cell Mutants Deficient in Dihydrofolate Reductase Activity", <u>Proc. Natl. Acad. Sci.</u> 77:4616-4220 (1980)			
<i>Q2A</i>	CS	Ledbetter and Herzenberg, "Xenogeneic Monoclonal Antibodies to Mouse Lymphoid Differentiation Antigens", <u>Immunol. Rev.</u> 47:62-90 (1979)			
<i>Q2A</i>	CT	Hansen et al., "Monoclonal Antibodies Identifying a Novel T-Cell Antigen and Ia Antigens of Human Lymphocytes", <u>Immunogenetics</u> 10:247-260 (1980)			
<i>Q2A</i>	CU	Parham, "On the Fragmentation of Monoclonal IgG1, IgG2, and IgG2b from BALB/c Mice", <u>J. Immunol.</u> 131:2895-2902 (1983)			
<i>Q2A</i>	CV	Kuritani and Cooper, "Human B Cell Differentiation", <u>J. Exp. Med.</u> 155:839-848 (1982)			
<i>Q2A</i>	CW	Gilliland et al., "Signal Transduction in Lymphocyte Activation Through Crosslinking of HLA Class I Molecules", <u>Human Immunology</u> 25:269-289 (1989)			
<i>Q2A</i>	CX	Wayner et al., "Identification and Characterization of the T Lymphocyte Adhesion Receptor for an Alternative Cell Attachment Domain (CS-1) in Plasma Fibronectin", <u>J. Cell. Biol.</u> 109:1321-1330 (1989)			
<i>Q2A</i>	CY	Goding <u>in</u> Monoclonal Antibodies: Principles and Practices, Academic Press, Orlando, FL pp. 118-125 (1983)			
<i>Q2A</i>	CZ	Hellstrom et al., "Monoclonal Antibodies to Two Determinants of Melanoma-Antigen p97 Act Synergistically in Complement-Dependent Cytotoxicity", <u>J. Immunol.</u> 127:157-160 (1981)			
<i>Q2A</i>	DA	Graham and Van Der Eb, "A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA", <u>Virology</u> 52:456-467 (1973)			
<i>Q2A</i>	DB	Malik et al., "Molecular Cloning, Sequence Analysis, and Functional Expression of a Novel Growth Regulator, Oncostatin M", <u>Molecular and Cellular Biology</u> 9:2847-2853 (1989)			

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*Paul E. Lewis, Ph.D.**11/17/92*

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1806

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- | | | |
|------|----|---|
| Q1A | DC | Linsley et al., "Elevated Levels of a High Molecular Weight Antigen Detected by Antibody W1 in Sera from Breast Cancer Patients", <u>Cancer Res.</u> 46:5444-5450 (1986) |
| Q2A | DD | Hellstrom et al., "Monoclonal Mouse Antibodies Raised Against Human Lung Carcinoma", <u>Cancer Res.</u> 46:3917-3923 (1986) |
| Q3A | DE | Gladstone and Pious, "Stable Variants Affecting B Cell Alloantigens in Human Lymphoid Cells", <u>Nature</u> 271:459-461 (1978) |
| Q4A | DF | Beatty et al., "Absence of Monoclonal-Antibody-Defined Protein Complex in Boy with Abnormal Leucocyte Function", <u>Lancet</u> 1:535-537 (1984) |
| Q5A | DG | Gaur et al., "Conservation of HLA Class I Private Epitopes in Macaques", <u>Immunogenetics</u> 27:356-361 (1988) |
| Q6A | DH | Pohlman et al., "An Endothelial Cell Surface Factor(s) Induced in Vitro by Lipopolysaccharide, Interleukin 1, and Tumor Necrosis Factor- α Increases Neutrophil Adherence by A CDw18-Dependent Mechanism", <u>J. Immunol.</u> 136:4548-4553 (1986) |
| Q7A | DI | Kozbor et al., "Tp44 Molecules Involved in Antigen-Independent T Cell Activation are Expressed on Human Plasma Cells", <u>J. Immunol.</u> 138:4128-4132 (1987) |
| Q8A | DJ | Chioresi et al., "Induction of Human Antibody Responses <u>In Vitro</u> with Emphasis on Allogeneic Helper Factors", <u>Immunol. Rev.</u> 45:219-241 (1979) |
| Q9A | DK | Ledbetter et al., "Antibodies to Tp67 and Tp44 Augment and Sustain Proliferative Responses of Activated T Cells", <u>J. Immunol.</u> 135:2331-2336 (1985) |
| Q10A | DL | Martin et al., "A 44 Kilodalton Cell Surface Homodimer Regulates Interleukin 2 Production by Activated Human T Lymphocytes", <u>J. Immunol.</u> 136:3282-3287 (1986) |
| Q11A | DM | Damle and Doyle, "Stimulation Via the Cd3 and Cd28 Molecules Induces Responsiveness to IL-4 in CD4 ⁺ CD29 ⁺ CD45R ⁺ Memory T Lymphocytes", <u>J. Immunol.</u> 143:1761-1767 (1989) |
| Q12A | DN | Damle et al., "Immunoregulatory T Lymphocytes in Man", <u>J. Immunol.</u> 139:1501-1508 (1987) |

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Linsley and Ledbetter

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1805

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Q2A</i>	DO	Damle et al., "Activation of Antigen-specific Suppressor T Lymphocytes in Man Involves Dual Recognition of Self Class I MHC Molecules and LEU-4/13-Associated Structures on the Surface of Inducer T Lymphocytes", <u>J. Immunol.</u> 133:1235-1240 (1984)
<i>Q2A</i>	DP	Aruffo et al., "CD44 is the Principal Cell Surface Receptor for Hyaluronate", <u>Cell</u> 61:1303-1313 (1990)
<i>Q2A</i>	DO	Seed and Aruffo, "Molecular Cloning of the CD2 Antigen, the T-Cell Erythrocyte Receptor, by a Rapid Immunoselection Procedure", <u>Proc. Natl. Acad. Sci.</u> 84:3365-3369 (1987)
<i>Q2A</i>	DR	Linsley et al., "Biosynthesis of High Molecular Weight Breast Carcinoma Associated Mucin Glycoproteins", <u>J. Biol. Chem.</u> 263:8390-8397 (1988)
<i>Q2A</i>	DS	Chomczynski and Sacchi, "Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction", <u>Anal. Biochem.</u> 162:156-159 (1987)
<i>Q2A</i>	DT	Alzari et al., "Three-Dimensional Structure of Antibodies", <u>Annu. Rev. Immunol.</u> 6:555-580 (1980)
<i>Q2A</i>	DU	Schneck et al., "Inhibition of an Allospecific T Cell Hybridoma by Soluble Class I Proteins and Peptides: Estimation of the Affinity of a T Cell Receptor for MHC", <u>Cell</u> 56:47-55 (1989)
<i>Q2A</i>	DV	Reenly et al., "Structural and Functional Characterization of the CD2 Immunoadhesion Domain", <u>J. Biol. Chem.</u> 265:8542-8549 (1990)
<i>Q2A</i>	DW	Clayton et al., "Identification of Human CD4 Residues Affecting Class II MHC Versus HIV-1 gp120 Binding", <u>Nature</u> 339:548-551 (1989)
<i>Q2A</i>	DX	Lasky et al., "Delineation of a Region of the Human Immunodeficiency Virus Type 1 gp120 Glycoprotein Critical for Interaction with the CD4 Receptor", <u>Cell</u> 50:975-985 (1987)
<i>Q2A</i>	DY	Linsley et al., "T-Cell Antigen CD28 Mediates Adhesion with B Cells by Interacting with Activation Antigen B7/BB-1", <u>Proc. Natl. Acad. Sci.</u> 87:5031-5035 (1990)
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